

VG Series Products

Mass Interconnect Technologies



VGRCB-13PNEU

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The VGRCB-13PNEU provides up to 13 pneumatic lines to for individual air sources for interconnects utilizing pneumatic cylinders. Control of the airflow is designed to be on the test system side in this application, as these contacts do not start/stop the airflow through the contacts. Two precision alignment pins per block ensure proper alignment. Two shoulder mounting screws per block allow the block to float in the receiver. The block is sold fully loaded.

Pneumatic Contact Pair Specifications

Air Pressure Rating 120 psi @ 75°F
Durability 25,000 cycles

Tubing Specifications

Polyamide Tubing Type PP-4
Inside Diameter 4mm



The TTI microcontroller is based on the Basic Stamp® technology. Easily programmable by TTI Testron or the customer, programmed data is transferred from a host computer to the PneuMicroC

via an RS-232 connection. The PneuMicroC is used to control cylinder movement and monitor position status based on code developed. Available in 16 or 32 bit solutions. Optional LED status card available (shown). Controls PCV's (shown).

The P8VLAM is an 8 valve Lexan® air manifold for routing of air in dual-stage pneumatic operations. The manifold simplifies support and maintenance while standardizing system configurations in production. It is recommended the P8VLAM be located on the test system side of the VG Series interface to reduce recurring costs in test fixture products.

Individual air-line regulators (PCVAR) are available to adjust maximum output pressure for control of individual pneumatic cylinders. One required per PCV.

Pneumatic control valves (PCV) for pressurizing or depressurizing individual cylinders are available. One PCV required per cylinder for normal operation. Two PCV's are required per cylinder for dual stage cylinder operations. PCV's are wired to the PneuMicroC or the I/O is provided to an external host computer.



Ordering Information

Receiver

Receiver Module VGRCB-13PNEU
Receiver Module Contact A32431
Replacement O-Ring A34432

Accessories

16 Bit Pneumatic Controller Pneu-MicroC-16-ORL
32 Bit Pneumatic Controller Pneu-MicroC-32-ORL
Lexan Air Manifold Pneu-P8VLAM-ORL
Individual Air Line Regulators Pneu-PCVAR-ORL
Pneumatic Control Valves Pneu-PCV-ORL

Fixture

Fixture Module VGFCB-13PNEU
Fixture Module Contact A32432